companied with a ſmall Shower of Rain, which caus'd a great Duſt to fall on our Deck; with the ſaid Breeze we ſtood away for *Tercera*. The Governor inform'd us that the Fire broke out the 20th of *Nov.* 1720. in the Night, and that the prodigious Noiſe it made, caus'd an Earthquake, which ſhattered down many Houſes in the Town of *Angra*, and Places adjacent, to the great Terror of the Inhabitants. We took ſeveral Draughts of the Iſland at ſeveral Bearings in our ſailing round, of which the incloſed is a Copy. Prodigious Quantities of Pumice-Stones and half-broil'd Fiſh were found floating on the Sea, for many Leagues round the Iſland, and abundance of Sea-Birds hovering about it. So far the Captain.

An Acquaintance of mine informed me, that in his Paſſage from *Cadiz* to *London* (the latter end of *April* was 12 Months) he obſerved the Sea from Cape *Finiſter*, almoſt to the Chops of the Channel, to be covered with Pumice-Stones, ſome of which he gave me.

IV. *A Letter from Mr.* Ralph Thoresby, *F. R. S. to Sir* Hans Sloane, *Bart. Preſident of the College of Phyſicians, and Vice-Preſ. R. S. concerning the Effects of a violent Shower of Rain in* Yorkſhire.

THE Effects of a violent Shower of Rain at *Riponden*, near *Halifax*, were ſo ſurprizing, that I wrote to a Gentleman in thoſe Parts for an Account that might be depended upon; and particularly deſired to know, whether there was not an Eruption of

Waters out of the Hills, as the late ingenious Mr. *Townley* of *Townley* wrote me there was out of *Pendle-Hill*, in that at *Star-bottom* mentioned in the *Philoſ. Tranſ.* N° 245. but all the Account I can learn of this is, that what they call the Daſhing of two great watery Clouds upon the Hills, occaſioned the Inundation; what ever was the more immediate Cauſe, the Effects were diſmal, and ſo ſudden, that tho' it was upon the Day-time, the poor Creatures could not ſave their Lives. This Calamity happen'd the 18th of *May*, 1722. betwixt the Hours of 3 and 5, when by the modeſteſt Account the Beck was rais'd two Yards at leaſt in perpendicular Height above what was ever known before; which may be eaſily conceived by the Situation of the Place implied in the Termination *den*, which ſignifies a deep Valley between pretty ſteep Hills on each Side. *Fontes in convallibus*, is in the *Saxon* Verſion rendered pillar on benum *Pſ.* ciij. 2. and *Valley of Tears*, (as this now) *Pſ.* lxxxiij. 6. bene teopa. Several Houſes, four Mills, (ſome ſay ſix) nine Stone-Bridges, and ten or eleven of Wood, are taken down, and the Wheels, Dams, and Sluices, (*Eboracentibus* Goits, from the verbal Noun geotan *fundere*) of moſt of the Mills that are left ſtanding, broken and damaged; and a great deal of Cloth gone. Fifteen Perſons were drown'd, of whom *Jonas Longbothom* and his Servant are not yet found. Seven out of eight in one Houſe were either ſlain by the Fall of it, or drowned. A young Man eſcaped by help of a piece of Timber, was turned over and over again, in paſſing two or three Dams, but at laſt taken out alive, tho' diſtracted for the preſent; but it's hoped he may recover.

The Rapidneſs of the Torrent was ſo violent, that it took down the North-ſide of *Ripponden* Chapel, and carried off moſt of the Seats. A Man of *Deusbury* told

told me, that he ſaw four of them that were driven to that Town; and the Rector of *Caſtleford*, who viſited me the Day after, inform'd me, that many Goods were carried down ſo far, tho' above 20 Miles off. It tore up the Dead out of their Graves; at firſt I was willing to believe it only of an old Woman that had been buried that Afternoon, and ſo the Earth not fully ſettled again; but am ſince informed by a ſure hand, that two corrupted Corpſes were driven upon one Gentleman's Land, and as many upon another's. It ſwept away all the Corn-Land, as deep as the Plow had gone. Some Perſons ſav'd themſelves by forcing a Way out of the Roofs of their Houſes, and ſitting upon the Ridges till the Floods abated.

I was that Day ſeized by a ſmart Thunder-Shower, upon the Moor, as I was coming home.

Leeds, June 5.
1722.

V. *Part of a Letter from Monſ.* Couzier, *Phyſician in the Infirmaries at* Alais, *to Dr.* Deidier, *Profeſſor of Chymiſtry in the Univerſity of* Montpelier, *concerning a new Experiment made with the Blood of a Perſon dead of the Plague. Communicated to the Royal Society by Dr.* Woodward, F. R. S. *Prof. Med. Greſh.*

ON the Firſt of this Month I took an Opportunity of beginning the Experiments you had recommended to me, and of which I had promiſed to give you an Account.